PHILIPS

MAS ExpertColor
10.8-50W 927 AR111 24D

929003043302



MASTER, LEDspot, AR111, dimmable, 50 W, G53, 2700 K, 600 lm, CRI 95, 40000 hour(s)

MASTER, LEDspot, AR111, dimmable, 50 W, G53, 2700 K, 600 lm, CRI 95, 40000 hour(s), 55 lm/W, EEL G, PF 0.7, Beam angle 24 degree(s), RG1, IP20

General Information

Cap-Base	G53
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years

Light Technical

Color Code	927 [CCT of 2700K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	600 lm
Luminous Intensity (Nom)	3,000 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	55 lm/W
Color Consistency	<4
Color rendering index (CRI)	95
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	600 lm
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	10.8 W
Lamp Current (Nom)	1,000 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V

Temperature

T-Case Maximum (Nom)	70 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	AR111
Net Weight (Piece)	0.160 kg

Approval and Application

Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	11 kWh
EPREL Registration Number	648244
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +45 °C

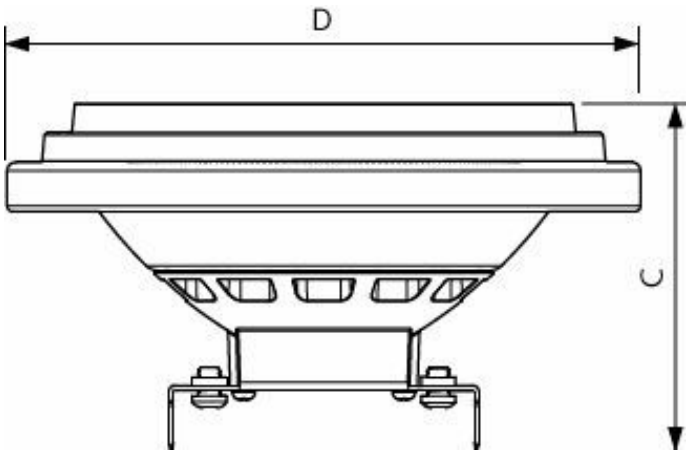
Application Conditions

can it be used in closed luminaires	No
Wireless Technology	Not applicable

Product Data

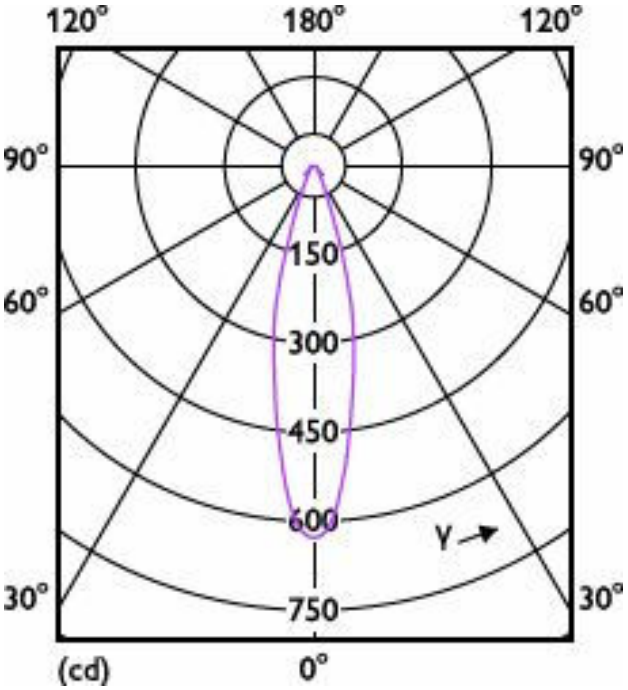
Order product name	MAS ExpertColor 10.8-50W 927 AR111 24D
Full product name	MAS ExpertColor 10.8-50W 927 AR111 24D
Full product code	871951433393200
Order code	929003043302
Material Nr. (12NC)	929003043302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514333932
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514333949

Dimensional drawing

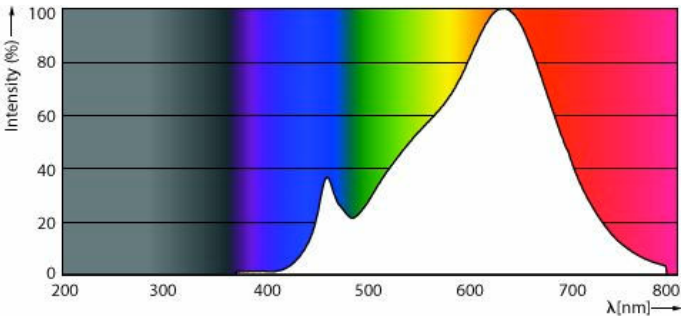


Product	D	C
MAS ExpertColor 10.8-50W 927 AR111 24D	111 mm	61 mm

Photometric data

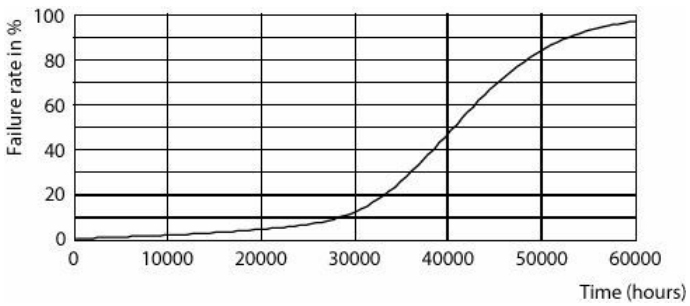


Light Distribution Diagram - MAS ExpertColor 10.8-50W 927 AR111 24D

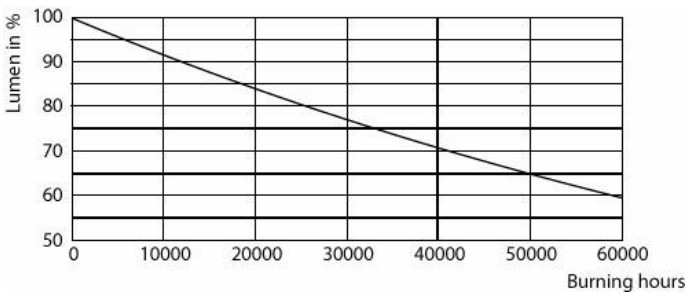


Spectral Power Distribution Colour - MAS ExpertColor 10.8-50W 927 AR111 24D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS ExpertColor 10.8-50W 927 AR111 24D

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-LEDspot-LV-AR111-COMF-2165-Ref-929003042602-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDspots_MAS_SLR_10,8W_AR111_G53_927_24D-IES.IES	Download

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